

WHAT IS CLAIMED IS:

1                   1.       An audio device control device comprising:  
2                   speech recognition means which acquires speech data representing a speech,  
3                   and specifies a candidate for a phrase represented by said speech by performing speech  
4                   recognition on said speech data;  
5                   operational status information acquisition means which acquires operational  
6                   status information indicating an operational status of an audio device to be controlled; and  
7                   audio device control means which specifies a use mode of said audio device  
8                   desired by an utterer of said speech, based on the candidate specified by said speech  
9                   recognition means, and an operation to be applied to said audio device to realize said use  
10                  mode, based on the operational status information acquired by said operational status  
11                  information acquisition means, and controls said audio device to apply the specified  
12                  operation.

1                   2.       An audio device control device comprising:  
2                   speech recognition means which acquires speech data representing a speech,  
3                   and specifies a candidate for a phrase represented by said speech by performing speech  
4                   recognition on said speech data; and  
5                   audio device control means which specifies a use mode of an external audio  
6                   device desired by an utterer of said speech, and an operation to be applied to said audio  
7                   device to realize said use mode, based on the candidate specified by said speech recognition  
8                   means, and environmental data indicating a circumstance of an environment under which said  
9                   audio device is used, and/or operational status data indicating an operational status of said  
10                  audio device, and controls said audio device to apply the specified operation.

1                   3.       An audio device control device comprising:  
2                   speech recognition means which acquires speech data representing a speech,  
3                   and specifies a candidate for a phrase represented by said speech by performing speech  
4                   recognition on said speech data;  
5                   utterer specification means which specifies an utterer of said speech or an  
6                   attribute of the utterer based on said speech data;  
7                   audio device control means which specifies a use mode of an external audio  
8                   device desired by the utterer of said speech, and an operation to be applied to said audio  
9                   device to realize said use mode, based on the candidate specified by said speech recognition

10 means, the utterer or the attribute thereof specified by said utterer specification means, and  
11 environmental data indicating a circumstance of an environment under which said audio  
12 device is used, and/or operational status data indicating an operational status of said audio  
13 device, and controls said audio device to apply the specified operation.

1                   4.       The audio device control device according to claim 2, wherein said  
2 environmental data comprises data indicating a current location of the environment under  
3 which said audio device is used, or data indicating a sound insulation circumstance of the  
4 environment under which said audio device is used.

1                   5.       The audio device control device according to claim 3, wherein said  
2 environmental data comprises data indicating a current location of the environment under  
3 which said audio device is used, or data indicating a sound insulation circumstance of the  
4 environment under which said audio device is used.

1                   6.       An audio device control method comprising:  
2                   a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data;  
5                   an operational status acquisition step of acquiring an operational status of an  
6 audio device to be controlled; and  
7                   an audio device control step of specifying a use mode of said audio device  
8 desired by an utterer of said speech, based on the candidate specified by said speech  
9 recognition step, and an operation to be applied to said audio device to realize said use mode,  
10 based on the operational status acquired by said operational status acquisition step, and  
11 controlling said audio device to apply the specified operation.

1                   7.       An audio device control method comprising:  
2                   a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data; and  
5                   an audio device control step of specifying a use mode of an external audio  
6 device desired by an utterer of said speech, and an operation to be applied to said audio  
7 device to realize said use mode, based on the candidate specified by said speech recognition  
8 step, and environmental data indicating a circumstance of an environment under which said

9 audio device is used, and/or operational status data indicating an operational status of said  
10 audio device, and controlling said audio device to apply the specified operation.

1 8. An audio device control method comprising:  
2 a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data;  
5 an utterer specification step of specifying an utterer of said speech or an  
6 attribute of an utterer based on said speech data;  
7 an audio device control step of specifying a use mode of an external audio  
8 device desired by the utterer of said speech, and an operation to be applied to said audio  
9 device to realize said use mode, based on the candidate specified by said speech recognition  
10 means, the utterer or the attribute thereof specified by said utterer specification means, and  
11 environmental data indicating a circumstance of an environment under which said audio  
12 device is used, and/or operational status data indicating an operational status of said audio  
13 device, and controlling said audio device to apply the specified operation.

1 9. A computer program that allows a computer to execute:  
2 a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data;  
5 an operational status acquisition step of acquiring an operational status of an  
6 audio device to be controlled; and  
7 an audio device control step of specifying a use mode of said audio device  
8 desired by an utterer of said speech, based on the candidate specified by said speech  
9 recognition step, and an operation to be applied to said audio device to realize said use mode,  
10 based on the operational status acquired by said operational status acquisition step, and  
11 controlling said audio device to apply the specified operation.

1 10. A computer program that allows a compute to execute:  
2 a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data; and  
5 an audio device control step of specifying a use mode of an external audio  
6 device desired by an utterer of said speech, and an operation to be applied to said audio

7 device to realize said use mode, based on the candidate specified by said speech recognition  
8 step, and environmental data indicating a circumstance of an environment under which said  
9 audio device is used, and/or operational status data indicating an operational status of said  
10 audio device, and controlling said audio device to apply the specified operation.

1 11. A computer program that allows a computer to execute:  
2 a speech recognition step of acquiring speech data representing a speech, and  
3 specifying a candidate for a phrase represented by said speech by performing speech  
4 recognition on said speech data;  
5 an utterer specification step of specifying an utterer of said speech or an  
6 attribute of an utterer based on said speech data;  
7 an audio device control step of specifying a use mode of an external audio  
8 device desired by the utterer of said speech, and an operation to be applied to said audio  
9 device to realize said use mode, based on the candidate specified by said speech recognition  
10 means, the utterer or the attribute thereof specified by said utterer specification means, and  
11 environmental data indicating a circumstance of an environment under which said audio  
12 device is used, and/or operational status data indicating an operational status of said audio  
13 device, and controlling said audio device to apply the specified operation.